

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. PHL-24,734	SERIAL NO. 09/382,425
	APPLICANT Jeffry Jovan Philyaw and David Kent Mathews	
	FILING DATE August 24, 1999	GROUP 2755

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
COJ	1	4,002,886	01/11/77	Sundelin	235	61.7R	
	2	4,365,148	12/21/82	Whitney	235	383	
	3	4,780,599	10/25/88	Baus	235	383	
	4	4,785,296	11/15/88	Tabata et al.	340	731	
	5	4,833,308	05/23/89	Humble	235	383	
	6	4,845,634	07/04/89	Vitek et al.	364	468	
	7	4,901,073	02/13/90	Kibrick	341	131	
	8	4,916,293	04/10/90	Cartlidge et al.	235	375	
	9	4,959,530	09/25/90	O'Connor	235	383	
	10	5,038,023	08/06/91	Saliga	235	385	
	11	5,054,096	10/01/91	Beizer	382	41	
	12	5,088,045	02/11/92	Shimanaka et al.	364	468	
	13	5,111,391	05/05/92	Fields et al.	364	401	
	14	5,115,326	05/19/92	Burgess et al.	358	440	
	15	5,161,037	11/03/92	Saito	358	468	
	16	5,161,214	11/03/92	Addink et al.	395	145	
	17	5,182,705	01/26/93	Barr et al.	364	401	
	18	5,189,630	02/23/93	Barstow et al.	364	514	
	19	5,191,525	03/02/93	LeBrun et al.	364	419	
	20	5,198,644	03/30/93	Pfeiffer et al.	235	383	
	21	5,235,654	08/10/93	Anderson et al.	382	61	
	22	5,241,402	08/31/93	Aboujaoude et al.	358	406	
	23	5,243,531	09/07/93	DiPippo et al.	364	468	
	24	5,288,976	02/22/94	Citron et al.	235	375	

00	25	5,296,688	03/22/94	Hamilton et al.	235	375	
	26	5,304,786	04/19/94	Pavlidis et al.	235	462	
	27	5,324,922	06/28/94	Roberts	235	375	
	28	5,331,547	07/19/94	Laszlo	364	413.01	
	29	5,340,966	08/23/94	Morimoto	235	376	
	30	5,362,948	11/08/94	Morimoto	235	376	
	31	5,382,779	01/17/95	Gupta	235	383	
	32	5,386,298	01/31/95	Bronnenberg et al.	358	403	
	33	5,398,336	03/14/95	Tantry et al.	395	600	
	34	5,405,232	04/11/95	Lloyd et al.	414	280	
	35	5,418,713	05/23/95	Allen	364	403	
	36	5,420,403	05/30/95	Allum et al.	235	375	
	37	5,420,943	05/30/95	Mak	382	313	
	38	5,424,524	06/13/95	Ruppert et al.	235	462	
	39	5,491,508	02/13/96	Friedell et al.	348	16	
	40	5,493,107	02/20/96	Gupta et al.	235	383	
	41	5,519,878	05/21/96	Dolin, Jr.	395	800	
	42	5,530,852	06/25/96	Meske, Jr. et al.	396	600	
	43	5,572,643	11/05/96	Judson	395	793	
	44	5,592,551	01/07/97	Lett et al.	380	20	
	45	5,594,226	01/14/97	Steger	235	379	
	46	5,602,377	02/11/97	Beller et al.	235	462	
	47	5,649,186	07/15/97	Ferguson	395	610	
	48	5,671,282	09/23/97	Wolff et al.	380	25	
	49	5,675,721	10/07/97	Freedman et al.	395	129	
	50	5,682,540	10/28/97	Klotz, Jr. et al.	395	766	
	51	5,694,163	12/02/97	Harrison	348	13	
	52	5,710,887	01/20/98	Chelliah et al.	395	226	
	53	5,745,681	04/28/98	Levine et al.	395	200.3	
	54	5,754,906	05/19/98	Yoshida	396	448	
	55	5,757,917	05/26/98	Rose et al.	380	25	

56	5,764,906	06/09/98	Edelstein et al.	395	200.49	
57	5,765,176	06/09/98	Bloomberg	707	514	
58	5,774,664	06/30/98	Hidary et al.	395	200	
59	5,778,367	07/07/98	Wesinger, Jr. et al.	707	10	
60	5,791,991	08/11/98	Small	463	41	
61	5,796,952	08/18/98	Davis et al.	305	200.54	
62	5,804,803	09/08/98	Cragun et al.	235	375	
63	5,815,776	09/29/98	Nukada	399	174	
64	5,832,223	11/03/98	Hara et al.	395	200.47	
65	5,833,468	11/10/98	Guy et al.	434	350	
66	5,848,202	12/08/98	D'Eri et al.	382	306	
67	5,848,413	12/08/98	Wolff	707	10	
68	5,854,897	12/29/98	Radziewicz et al.	709	224	
69	5,864,823	01/26/99	Levitan	105	14	
70	5,869,819	02/09/99	Knowles et al.	235	375	
71	5,905,248	05/18/99	Russell et al.	235	462	
72	5,905,665	05/18/99	Rim	364	746	
73	5,905,865	05/18/99	Palmer et al.	395	200.47	
74	5,913,210	06/15/99	Call	707	4	
75	5,915,090	06/22/99	Joseph et al.	709	202	
76	5,918,214	06/29/00	Perkowski	705	27	
77	5,925,865	07/20/99	Steger	235	379	
78	5,929,850	07/27/99	Broadwin et al.	345	327	
79	5,932,863	08/03/99	Rathus et al.	235	462.15	
80	5,948,061	09/07/99	Merriman et al.	709	219	
81	5,957,695	09/28/99	Redford et al.	434	307R	
82	5,960,411	09/28/99	Hartman et al.	705	26	
83	5,961,603	10/05/99	Kunkel et al.	709	229	
84	5,970,471	10/19/99	Hill	705	26	
85	5,970,472	10/19/99	Allsop et al.	705	26	
86	5,971,277	10/26/99	Cragun et al.	235	462.01	




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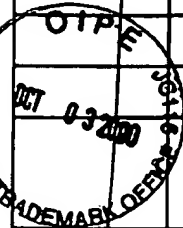
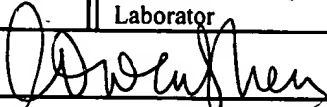
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87	5,974,443	10/26/99	Jeske	709	202	
88	5,974,451	10/26/99	Simmons	709	218	
89	5,976,833	11/02/99	Furukawa et al.	435	69.1	
90	5,978,773	11/02/99	Hudetz et al.	709	219	
91	5,991,739	11/23/99	Cupps et al.	705	26	
92	5,992,752	11/30/99	Wilz, Sr. et al.	235	472.01	
93	5,995,105	11/30/99	Reber et al.	345	356	
94	6,002,394	12/14/99	Schein et al.	345	327	
95	6,003,073	12/14/99	Solvason	709	219	
96	6,006,257	12/21/99	Slezak	709	219	
97	6,009,410	12/28/99	LeMole et al.	709	219	
98	6,009,465	12/28/99	Decker et al.	709	219	
99	6,012,102	01/04/00	Shachar	710	5	
100	6,018,764	01/25/00	Field et al.	709	217	
101	6,049,539	04/11/00	Lee et al.	370	355	
102	6,064,929	05/16/00	Perkowski	705	26	
103	6,108,656	08/22/00	Durst et al.	707	10	

FOREIGN PATENT DOCUMENTS

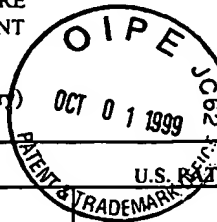
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	F1	WO 95/10813	10/14/94	PCT	G06F	15/403	NO
	F2	WO 96/07146	9/1/95	PCT	G06F	17/00	NO
	F3	WO 97/37319	2/20/97	PCT	G06K	7/10	NO
	F4	WO 98/03923	1/29/98	PCT	G06F	15/163	NO
	F5	WO 98/06055	2/12/98	PCT	G06F	163/00	NO
	F6	WO 98/09243	8/22/97	PCT	G06F	19/00	NO
	F7	WO 98/19259	5/7/98	PCT	G06F	17/60	NO
	F8	WO 98/40823	9/17/98	PCT	G06F	13/00	NO
	F9	WO 99/63457	6/3/99	PCT	G06F	17/30	NO
	F10	EP 0 961 250 A2	12/1/99	EP	G07F	19/00	NO
	F11	JP 10188140A	12/24/96	JP	G07G	1/12	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

009	D1	"Group Decision Support System: Development and Application", Energy Systems, Westinghouse, Pittsburgh, PA
	D2	"New Technologies in Credit Card Authentication", Pieter de Bryne, Institute for Communications Technology, Zurich, Switzerland
	D3	"AVITAL, a Private Teaching System by Fax Communication", Atsushi Iizawa, Noriro Sugiki, Yukari Shitora and Hideko Kunii, Software Research Center, Tokyo, Japan
	D4	"Document on Computer" USPS Technical Support Center, Norman, OK
	D5	"Development of a Commercially Successful Wearable Data Collection System", Symbol Technologies, Inc.
	D6	"What do forward looking companies consider in their plans and developments?", A.G. Johnston, Nestle
	D7	"The Automation Synergy", Neves and Noivo, Portugal
	D8	"Integration of Hand-Written Address Interpretation Technology into the United States Postal Service Remote Computer Reader System", Srihari (CEDAR, SUNY at Buffalo) and Kueberg (U.S. Postal Service, VA)
	D9	"Paper Based Document Security - A Review", van Renesse, TNO Institute of Applied Physics, The Netherlands
	D10	"IEEE Standard for Bar Coding for Distribution Transformers" Transformers Committee of the IEEE Power Engineering Society, The Institute of Electrical and Electronics Engineers, Inc. NY
	D11	"The Stylus™-Shopping from Home", STYLUS Innovation, MA
	D12	"Distributing Uniform Resource Locators as Bar Code Images", IBM Technical Disclosure Bulletin, Jan 1996
	D13	"Bar Code Method for Automating Catalog Orders", IBM Technical Disclosure Bulletin, September 1998
	D14	"Bar-Code Recognition System Using Image Processing", Kuroki, Yoneoka et al., Hitachi Research Laboratory
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 		11/31/07
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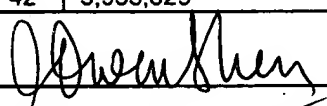
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	FILING DATE August 24, 1999	GROUP XXXXX



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
003	1	3,668,312	06/06/72	Yamamoto, et al.	178	6.8	04/02/70
	2	4,042,792	08/16/77	Pakenham, et al.	179	90	01/26/76
	3	4,621,259	11/04/86	Schepers, et al.	340	707	03/18/83
	4	4,654,482	03/31/87	DeAngelis	379	95	11/07/84
	5	4,816,904	03/28/89	McKenna, et al.	358	84	04/10/87
	6	4,817,136	03/28/89	Rhoads	379	357	08/17/87
	7	4,841,132	06/20/89	Kajitani, et al.	235	472	07/16/87
	8	4,894,789	01/16/90	Yee	364	521	02/22/88
	9	4,899,370	02/06/90	Kameo, et al.	379	104	06/13/88
	10	4,905,094	02/27/90	Pocock, et al.	358	342	06/30/88
	11	4,907,264	03/06/90	Seiler, et al.	379	355	09/14/88
	12	4,937,853	06/26/90	Brule, et al.	379	96	05/03/89
	13	4,947,028	08/07/90	Gorog	235	381	07/19/88
	14	4,975,948	12/04/90	Andresen, et al.	379	355	10/13/89
	15	4,984,155	01/08/91	Geier, et al.	364	401	08/29/88
	16	5,128,752	07/07/92	Von Kohorn	358	84	10/25/90
	17	5,144,654	09/01/92	Kelley, et al.	379	356	03/22/91
	18	5,247,347	09/21/93	Litteral, et al.	358	85	09/27/91
	19	5,262,860	11/16/93	Fitzpatrick, et al.	358	142	04/23/92
	20	5,285,278	02/08/94	Holman	358	142	05/21/92
	21	5,287,181	02/15/94	Holman	348	473	08/20/92
	22	5,305,195	04/19/94	Murphy	364	401	03/25/92
	23	5,319,454	06/07/94	Schutte	348	5.5	11/13/90
	24	5,357,276	10/18/94	Banker, et al.	348	7	12/01/92
	25	5,438,355	08/01/95	Palmer	348	1	04/16/93
	26	5,446,490	08/29/95	Blahut, et al.	348	7	10/23/92
	27	5,446,919	08/29/95	Wilkins	455	6.2	10/09/91
	28	5,570,295	10/29/96	Isenberg, et al.	364	514	03/18/94

03	29	5,604,542	02/18/97	Dedrick	348	552	02/08/95
	30	5,640,193	06/17/97	Wellner	348	7	08/15/94
	31	5,664,110	09/02/97	Green, et al.	705	26	12/08/94
	32	5,708,780	01/13/98	Levergood, et al.	395	200.12	06/07/95
	33	5,715,314	02/03/98	Payne, et al.	380	24	10/24/94
	34	5,724,424	03/03/98	Gifford	380	24	11/29/95
	35	5,761,606	06/02/98	Wolzien	455	6.2	02/08/96
	36	5,768,528	06/16/98	Stumm	395	200.61	05/24/96
	37	5,774,870	06/30/98	Storey	705	14	12/14/95
	38	5,790,793	08/04/98	Higley	395	200.48	04/04/95
	39	5,794,210	08/11/98	Goldhaber, et al.	705	14	12/11/95
	40	5,905,251	05/18/99	Knowles	235	472.01	07/11/97
	41	5,907,793	05/25/99	Reams	455	3.1	08/03/95
	42	5,933,829	08/03/99	Durst, et al.	707	10	11/08/97
EXAMINER							
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